

PTO-1390 (Rev. 07-2005) Approved for use through 03/31/2007. OMB 0651-0021 U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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### ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 59441(11259) **DESIGNATED/ELECTED OFFICE (DO/EO/US)** U.S. APPLICATION NO (if known see 37 GFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/US2004/021637 6 July 2004 6 July 2003 TITLE OF INVENTION METHODS OF PRODUCING DIFFERENTIATED HEMATOPOIETIC CELLS FOR TREATMENT OF CYTOPENIA APPLICANT(S) FOR DO/EO/US Peter J. Quesenberry Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). х has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. a. b. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. C. d. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). х 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment (10 pages) 13. х An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

### IAP20 Rec'd PCT/PTO 23 DEC 2005

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20. X Other	items or inform	INTERNATIONAL APPLICATION NO. PCT/US2004/021637			ATTORNEY'S DOCKET NUMBER 59441(11259)			
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The foll-	owing fees hav	ve been submitt	ted		CALCUL	ATION	S PTC	USEONLY
21. x Basic national fee (37 CFR 1.492(a))					150.0			
If the written opin	nion prepared by I PEA/US indicates	all claims satisfy p	national preliminary exam provisions of PCT Article 3	33(1)-(4)\$0	\$	200.0	0	
If the written opin IPEA/US i Search fee (37 C Internation International Sea previously	indicates all claim CFR 1.445(a)(2)) hall Searching Aut arch Report prepa communicated to	or the internations is satisfy provisions as been paid on the horityred by an ISA other the US by the IB.	al preliminary examination s of PCT Article 33(1)-(4) ne international application r than the US and provide	\$0 n to the USPTO as an \$100 ed to the Office or \$400	\$	100.0	0	
	TOTAL OF 21, 2				\$	450.0	0 .	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.								
Total Sheets	Extra Sheets		h additional 50 or fraction I up to a whole number)	RATE				
22 - 100 =	/50 =			x \$250.00 \$				
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					\$			
CLAIMS	S NU	MBER FILED	NUMBER EXTRA	RATE				
Total clain	ns	28 - 20 =	8	x 25.00		200.0	0	·
Independent of	claims	2 - 3 =		x		0.0		
MULTIPLE DEP	ENDENT CLAIM(	S) (if applicable)		+ 360.00		360.0	0	<del> </del>
TOTAL OF ABOVE CALCULATIONS					\$ 1,	010.0	0	
Applicant	t claims small enti	ty status. See 37	CFR 1.27. Fees above a	re reduced by 1/2.				
SUBTOTAL				\$ 1,	010.0	0		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$			
TOTAL NATIONAL FEE =					\$		1,010	.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$				
TOTAL FEES ENCLOSED =			\$ 1,010.00		.00			
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# 10/562086 IAP20 Roc'd PCT/PTO 23 DEC 2005

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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been milled an granted to restore the International Application to pending status.	et, a petition to revive (37 CFR 1.137(a) or (b)) must be				
December 23, 2005	9/++ 0000.00				
SEND ALL CORRESPONDENCE TO:	SIGNATURE ()				
David G. Conlin EDWARDS ANGELL PALMER & DODGE LLP P.O. Box 55874	Kathryn A. Piffat, Ph.D.				
Boston, Massachusetts 02205 (617) 439-4444	NAME				
CUSTOMER NUMBER: 21874	34.901				
	REGISTRATION NUMBER				
	•				
-					

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 59441(11259)

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í		Турес	or printed	name`o	f person signi	ng Certificate (617) 43	39-4444	
R	Registration Number, if applicable					Telephone	Number	

submitted paper.

Note:

Fee Transmittal (1 page); Transmittal Letter to the United States Designated-Elected Office (3 pages);

Specification including claims & abstract (18 pages); Figures 1-6 (4 sheets);

Copy of of Published PCT Application No. WO 2005/003321 A2;

Copies of PCT/RO/101 & Fee sheet, Form PCT/RO/102, Form PCT/RO/105, Form PCT/ISA/202,

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# 23 Roc'd PCT/PTO 23 DEC 2005

PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number Complete if Known Effective on 12/08/2004. Notify of Assigned Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). Application Number FEE TRANSMITTAL July 6, 2004 Filing Date First Named Inventor Peter J. Quesenberry For FY 2005 **Examiner Name** Not Yet Assigned Applicant claims small entity status. See 37 CFR 1.27 N/A Art Unit TOTAL AMOUNT OF PAYMENT 59441(11259) (\$) 1,010.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) Money Order Check Credit Card None Other (please identify): Edwards Angell Palmer & Dodge LLP X Deposit Account Deposit Account Number: 04-1105 Deposit Account Name: For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayment of Credit any overpayments fee(s) under 37 CFR 1.16 and 1.17 **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES SEARCH FEES EXAMINATION FEES Small Entity Small Entity** Small Entity **Application Type** Fee (\$) Fee (\$) Fee (\$) Fees Paid (\$) Fee (\$) Fee (\$) Fee (\$) Utility 300 150 500 250 200 100 200 100 Design 100 50 130 65 Plant 200 100 300 150 160 80 500 250 600 300 Reissue 300 150 Provisional 200 100 0 0 0 0 2. EXCESS CLAIM FEES **Small Entity** Fee (\$) Fee (\$) Fee Description Each claim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 200 100 Multiple dependent claims 360 180 Fee Paid (\$) **Multiple Dependent Claims Total Claims Extra Claims** 200.00 Fee (\$) Fee Paid (\$) Fee Paid (\$) Indep. Claims Extra Claims Fee (\$) - 3 = 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s) **Total Sheets** Fee (\$) Fee Paid (\$) Extra Sheets Number of each additional 50 or fraction thereof 22 - 100 = (round up to a whole number) x 4. OTHER FEE(S) Fees Paid (\$) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 1631 Basic National Stage fee 150.00 1633 National Stage Examination Fee - all other ... 200.00 1641 National Stage Search Fee - U.S. was the ISA 100.00 1615 National Stage claims - extra total (over twenty) 200.00 1616 National Stage claims - multiple dependent 360.00 SUBMITTED BY Registration No. (617) 439-4444 Signature 34,901 Telephone Name (Print/Type) Kathryn A. Piffat, Ph.D. Date December 23, 2005 I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 754 867 946 US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: December 23, 2005 (Sharon Bizokas)

# IAP20 Rec'd PCT/PTO 23 DEC 2005

PTO/SB/21 (09-04)
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,			Application Number		\$\$\#\$\#\$\\$\62086		
TRANSMITTAL FORM (to be used for all correspondence after initial filing)			Filing Date		July 6, 2004		
			First Named Inventor		Peter J. Quesenberry		
			Art Unit		N/A		
		•	Examiner Name		Not Yet Assigned		
Total Number of Pages in This Submission			Attorney Docket Numb	er	59441WO(11259)		
	El	CLOSURES	Check all that app	oly)			
Fee Trans	smittal Form	Drawing(s)			After Allowance Communication to TC		
Fee	Fee Attached Licensing-rela				Appeal Communication to Board of Appeals and Interferences		
Amendme	nt/Reply	Petition	ion		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
Afte	After Final		Petition to Convert to a Provisional Application		Proprietary Information		
Affidavits/declaration(s)			ower of Attorney, Revocation hange of Correspondence Address		Status Letter		
Extension of Time Request		Terminal Disclaimer		x	Other Enclosure(s) (please Identify below):		
Express Abandonment Request		Request for Refund			CT Power of Attorney (2 pages)		
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	y to Missing Parts under FR 1.52 or 1.53	·	, .				
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	SIGNATU	JRE OF APPLICA	NT, ATTORNEY, OR	AGE	ENT		
irm Name	EDWARDS ANGELL	. PALMER & DO	DGE LLP				
Signature	Lettryn	a Flood	PLQ				
Printed name	Kathryn A. Piffat, Ph	.D. W	<del>/                                    </del>				
November 4, 2005			Reg. No.	34	,901 <sup>^</sup>		

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Dated: November 4, 2005	Signature:	(Sharon Bizokas)

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DATE:

November 4, 2005

PTO IDENTIFIER:

**Application Number** US04/21637

**Patent Number** 

inventor:

Peter J. Quesenberry

**MESSAGE TO:** 

US Patent and Trademark Office

**FAX NUMBER:** 

(571) 273-8300

FROM:

EDWARDS ANGELL PALMER & DODGE LLP

David G. Conlin

PHONE:

(617) 439-4444

Attorney Dkt. #:

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# PTO IDENTIFIER: Application Number US04/21637 Patent Number

Inventor: Peter J. Quesenberry

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David G. Conlin

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PTO IDENTIFIER: **Application Number** US04/21637

**Patent Number** 

Inventor: Peter J. Quesenberry

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FROM: EDWARDS ANGELL PALMER & DODGE LLP

Kathryn A. Piffat, Ph.D.

PHONE: (617) 439-4444

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Attorney Docket No.: 59441WO(11259)

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